

DALY, CROWLEY & MOFFORD, LLP
275 TURNPIKE STREET - SUITE 101
CANTON, MASSACHUSETTS 02021-2310

Teleph n : 781-401-9988
Facsimile: 781-401-9966



FACSIMILE TRANSMITTAL SHEET

Including this transmittal sheet, document consists of 35 pages.

Date: March 25, 2002

Time:

Company: US PTO (OIPE)

From: David W. Rouille

Facsimile Number: 703-746-4060

MESSAGE

Attached please find the Response for Substitute Papers (copy enclosed) dated March 18, 2002.

STATEMENT OF CONFIDENTIALITY

The documents included with this facsimile transmittal sheet contain information which is confidential and/or privileged. The information is intended to be for the use of the addressee named on this transmittal sheet. If you are not the addressee, note that any disclosure, photocopying, distribution or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone (collect) immediately so that we can arrange for the retrieval of the original documents at no cost to you.

**IF THERE IS A PROBLEM WITH THIS TRANSMISSION, OR IF YOU DID NOT
RECEIVE ALL PAGES, PLEASE CALL 781-401-9988 AS SOON AS POSSIBLE**

Client Matter No.: EMPIR-042PUS (Your Ref. 09/943,640)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

Application Number	Filing Date	First Named Applicant	Atty. Docket No.
09/943,640	08/30/2001	Hand, Wesley	EMPIR-042PUS

22494

DALY, CROWLEY & MOFFORD, LLP
SUITE 101
275 TURNPIKE STREET
CANTON MA 02021-2310



Title: Run-time graphical programming tool for testing non-deterministic events

Date Mailed: 03/18/2002

Request for Substitute Papers

The papers filed on 02/20/02, (certificate of mailing dated 01/28/02) are no longer in condition to become part of the permanent records of the United States Patent and Trademark Office (USPTO) for this application (37 CFR 1.52(a)) due to the United States Postal Service sanitization process.

The USPTO requests that applicant provide a copy of the above-identified papers (except for any U.S. or foreign patent documents submitted with the above-identified papers) with a statement that such copy is a complete and accurate copy of the above-identified papers (signing and returning a copy of this notice will provide such a statement). The reply to this letter should be submitted to the USPTO by facsimile at the number indicated 703-746-4060(OIPE).

Alternatively, the reply to this letter may be hand-carried to the Customer Service Window located in Room 1B03 of Crystal Plaza Building 2, Arlington, Virginia, 22202.

The USPTO strongly prefers that the reply to this letter be submitted by facsimile. However, if applicant cannot submit the reply to this letter by facsimile (or hand-delivery), the reply may be mailed to: Box Duplicate OIPE, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202-2327.

This letter is not a notice under 37 CFR 1.251. However, failure to timely replay to this notice within **two (2) weeks** of the date of receipt of this letter may result in the USPTO issuing a notice under 37 CFR 1.251. A copy of this notice should be included with the reply.

The enclosed papers are a complete and accurate copy of the above-identified papers.

Name: David W. Rouille Registration No.: 40,150Signature: David W. Rouille Date: 25-Mar-2002



PTO/S&T (10-01)

Approved for use through 10/31/2002. OMB 0851-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

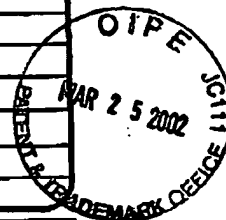
Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Complete If Known

Application Number	09/943,640
Filing Date	August 30, 2001
First Named Inventor	Wesley C. Hand, Jr.
Examiner Name	Not Yet Assigned
Group Art Unit	2184
Attorney Docket No.	EMPIR-042PUS



TOTAL AMOUNT OF PAYMENT (\$) 40

METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
- Deposit Account Number **50-0845**
- Deposit Account Name **Daly, Crowley & Mofford, LLP**
- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☐ Appoint claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:
- ☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing fee	
108 330	206 165	Design filing fee	
107 810	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	

SUBTOTAL (1) (\$) 0

2. EXTRA CLAIM FEES

Total Claims **14** -20% = **0** x **18** = **0**

Independent Claims **1** -3% = **0** x **84** = **0**

Multiple Dependent

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
103 18	203 9	Claims in excess of 20	
102 84	202 42	Independent claims in excess of 3	
104 260	204 140	Multiple dependent claim, if not paid	
109 84	209 42	** Reissue independent claims over original patent	
110 18	210 9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$) 0

*or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for ex parte reexamination	
112 820*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	216 55	Extension for reply within first month	
116 400	216 200	Extension for reply within second month	
117 920	217 480	Extension for reply within third month	
118 1,440	218 720	Extension for reply within fourth month	
128 1,960	228 980	Extension for reply within fifth month	
119 320	219 160	Notice of Appeal	
120 320	220 160	Filing a brief in support of an appeal	
121 280	221 140	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,280	241 640	Petition to revive - unintentional	
142 1,280	242 640	Utility issue fee (or reissue)	
143 480	243 240	Design issue fee	
144 620	244 310	Plant issue fee	
122 180	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(g)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	40
145 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	
179 740	279 370	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	David W. Rouille	Registration No. (Attorney/Agent)	40,150
Signature	<i>David W. Rouille</i>	Telephone	781.401.9988 ext. 25
		Date	25-Jan-02

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Received from <7814019966> at 3/25/02 1:43:49 PM (Eastern Standard Time) sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. REMD TO: Assistant Commissioner for Patents, Washington, DC 20231.

COPY OF PAPERS
ORIGINALLY FILED

02/20/02

Please type a plus sign (+) inside this box → ☐

Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/943,640
	Filing Date	August 30, 2001
	First Named Inventor	Wesley C. Hand, Jr.
	Group Art Unit	2184
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	Attorney Docket Number	EMPIR-042PUS



ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CO, Number of CO(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return-receipted postcard
Remarks In the event a petition for extension of time is required by this paper and not otherwise provided, such petition is hereby made and authorization is provided herewith to charge deposit account No. 50-0845 for the cost of such extension.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	David W. Rouille Reg. No. 40,150 Daly, Crowley & Mofford, LLP
Signature	<i>David W. Rouille</i>
Date	25-Jan-02

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <input type="text"/>		
Typed or printed name	David W. Rouille	
Signature	<i>David W. Rouille</i>	Date 25-Jan-02

Burdan Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Daly, Crowley & Mofford, LLP
275 Turnpike Street
Suite 101
Canton, MA 02021

Please type a plus sign (+) inside this box → ☐

PTO/89/21 (00-00)

Approved for use through 10/31/2002, OMB 051-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM <small>(to be used for all correspondence after initial filing)</small>	Application Number	09/943,640
	Filing Date	August 30, 2001
	First Named Inventor	Wesley C. Hand, Jr.
	Group Art Unit	2184
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	Attorney Docket Number	EMPIR-042PUS

COPY OF PAPERS
ORIGINALLY FILED
02-12062

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return-receipted postcard Declaration & Power of Attorney
Remarks In the event a petition for extension of time is required by this paper and not otherwise provided, such petition is hereby made and authorization is provided herewith to charge deposit account No. 60-0846 for the cost of such extension.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	David W. Rouille Reg. No. 40,150 Daly, Crowley & Mofford, LLP
Signature	<i>David W. Rouille</i>
Date	28-Jan-02

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: _____		
Typed or printed name	David W. Rouille	
Signature	<i>David W. Rouille</i>	Date 28-Jan-02

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Approved for use through 10/31/2002, OMB 0851-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 635

Complete if Known

Application Number	09/943,640
Filing Date	August 30, 2001
First Named Inventor	Wesley C. Hand, Jr.
Examiner Name	Not Yet Assigned
Group Art Unit	2184
Attorney Docket No.	EMPIR-042PUS

METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 50-0845
Deposit Account Name: Daly, Crowley & Mofford, LLP

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.37

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing fee	370
108 330	208 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	

SUBTOTAL (1) (\$) 370

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
14	-20** = 0	15	0
Independent Claims	1	-3** = 0	84
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 64	202 42	Independent claims in excess of 3
104 280	204 140	Multiple dependent claim, if not paid
109 64	209 42	** Reissue independent claims over original patent
110 16	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0

*or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	65
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for ex parte reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 400	216 200	Extension for reply within second month	200
117 920	217 460	Extension for reply within third month	
118 1,440	218 720	Extension for reply within fourth month	
128 1,980	228 980	Extension for reply within fifth month	
119 320	219 160	Notice of Appeal	
120 320	220 160	Filing a brief in support of an appeal	
121 280	221 140	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,280	241 640	Petition to revive - unintentional	
142 1,280	242 640	Utility issue fee (or reissue)	
143 490	243 230	Design issue fee	
144 620	244 310	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(a)	
126 180	126 180	Submission of Information Disclosure Sheet	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
145 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	
179 740	279 370	Request for Continued Examination (RCE)	
168 900	168 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 285

SUBMITTED BY

Name (Print/Type)	David W. Roullie	Registration No. (Attorney/Agent)	40,150	Telephone	781.401.9988 ext. 25
Signature		Date			

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. PRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Received from <7814019966> at 3/25/02 1:43:49 PM [Eastern Standard Time]

#31

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Wesley C. Hand, Jr. et al.

Appl. No. : 09/943,640

Filed : August 30, 2001

Entitled : RUN-TIME GRAPHICAL
PROGRAMMING TOOL FOR
TESTING NON-DETERMINISTIC
EVENTS

Docket No. : EMPIR-042PUS

Group Art Unit: 2184

Examiner: Not Yet Assigned

Certificate of Mailing (37 C.F.R. 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on the date set forth below.

28-Jan-02Date of Signature
and Mail DepositBy: David W. RouilleDavid W. Rouille
Reg. No. 40,150
Attorney for Applicant(s)Assistant Commissioner for Patents
Washington, DC 20231

Sir:

REQUEST FOR EXTENSION OF TIME

It is requested that the time for response to this Office Action dated October 5, 2001 be extended for a two-month period of time to end February 5, 2002, under the provisions of 37 C.F.R. §1.136. The fee of \$200.00 called for by 37 C.F.R. §1.17 is enclosed herewith.

Application No. 09/943,640
Filed August 30, 2001
Atty Case No. EMPIR-042PUS

In the event any additional fee is required, please charge such amount to the Patent
and Trademark Office Deposit Account No. 50-0845.

Respectfully submitted,

Daly, Crowley & Mofford, LLP

Dated 25-Jan-02

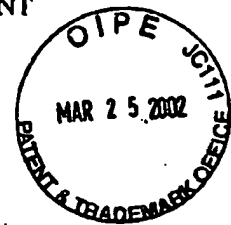
By: David W. Rouille
David W. Rouille
Reg. No. 40,150
Attorney for Applicant(s)

275 Turnpike Street - Suite 101
Canton, MA 02021-2310
Telephone: (781) 401-9988 x11
Facsimile: (781) 659-9966



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant : Wesley C. Hand, Jr. et al.
Application No. : 09/943,640
Filed : August 30, 2001
Entitled : RUN-TIME GRAPHICAL
PROGRAMMING TOOL FOR
TESTING NON-DETERMINISTIC
EVENTS
Docket No. : EMPIR-042PUS

Group Art Unit: 2184

Examiner: Not Yet Assigned

Certificate of Mailing (37 C.F.R. 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: BOX MISSING PARTS, Assistant Commissioner for Patents, Washington, D.C. 20231 on the date set forth below.

28-Jan-02
Date of Signature
and Mail Deposit

David W. Rouille
David W. Rouille
Reg. No. 40,150
Attorney for Applicant(s)

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Attention: Box Missing Parts
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed herewith is a response to the PTO Notice dated October 5, 2001.

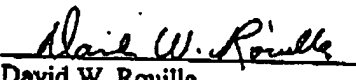
If the Examiner has any questions regarding this submission or this application, please do not hesitate to contact the undersigned attorney.

1

Application No.: 09/943,640
Filed: August 30, 2001
Group Art Unit: 2184

In the event any additional fee is required, please charge such amount to Patent and
Trademark Office Deposit Account No. 50-0845.

Respectfully submitted,


David W. Rouille
Attorney for Applicant(s)
Reg. No. 40,150
Daly, Crowley & Mofford, LLP
275 Turnpike Street, Suite 101
Canton, MA 02021-2310
Tel: (781) 401-9988
Fax: (781) 401-9966

Date: 28-Jan-02

COPY OF PAPERS
 ORIGINALLY FILED
 02/20/02
 Page 1 of 2
 33/35


UNITED STATES PATENT AND TRADEMARK OFFICE

Docketed

 COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
 www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/943,640	08/30/2001	Wesley C. Hand JR.	EMPIR-042PUS

 022494
 DALY, CROWLEY & MOFFORD, LLP
 SUITE 101
 275 TURNPIKE STREET
 CANTON, MA 02021-2310


CONFIRMATION NO. 9427

FORMALITIES LETTER

OC00000000851884

Date Mailed: 10/05/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 355 to complete the basic filing fee for a small entity.
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(f) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 420.

The application is Informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice **MUST** be returned with the reply.*


Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE